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|  |   |    |   | Application Number            |                     |  |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT |   |    |   | Filing Date                   | December 30, 2005   |  |
|  |   |    |   | First Named Inventor          | Kelji SUMIYA et al. |  |
|  |   |    |   | Art Unit                      |                     |  |
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| Sheet  | 1 | of | 1 | Attorney Docket Number        | 1303,45694X00       |  |
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| U.S. PATENT DOCUMENTS |                          |   |                                |  |   |  |
|-----------------------|--------------------------|---|--------------------------------|--|---|--|
| Examiner<br>Initials' | Cite<br>No. <sup>1</sup> | Document Number  Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |
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| FOREIGN PATENT DOCUMENTS |              |   |                                |  |  |     |
|--------------------------|--------------|---|--------------------------------|--|--|-----|
| Examiner<br>Initials'    | Cite<br>No.1 | Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup> (# known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | T⁵  |
| Smm                      |              | JP 2000-272990  | 10/03/2000                     | Ibiden Co. Ltd.                                    |  | Abs |
| Smm                      |              | JP 03-290390  | 12/20/1991                     | Shin Etsu Chem Co.<br>Ltd.                         |  | Abs |
| Smm                      |              | JP 2002-029882  | 01/29/2002                     | Shikoku Instr. Co. Ltd.                            |  | Abs |
| Smm                      |              | JP 10-265296  | 10/06/1998                     | Nikon Corp. and Oyo<br>Koken Kogyo KK              |  | Abs |
| Smm                      |              | JP 2000-272991  | 10/03/2000                     | · Canon Inc.                                       |  | Abs |
| Smm                      |              | JP 2002-308697  | 10/23/2002                     | Nippon Steel Corp.                                 |  | Abs |
| Smm                      |              | JP 57-071900  | 05/04/1982                     | Sumitomo Electric Ind.<br>Ltd.                     |  | Abs |
| Smm                      |              | JP 11-199362  | 07/27/1999                     | Kobe Steel Ltd.                                    |  | Abs |

| Examiner<br>Signature | A. m. malk andel | Date<br>Considered | 04/29/07 |
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE e Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. form 1449/PTO Complete if Known **Application Number** 10/563,087 INFORMATION DISCLOSURE Filing Date 12/30/06 STATEMENT BY APPLICANT First Named Inventor Kelji SUMIYA Group Art Unit To be assigned (use as many sheets as necessary) Examiner Name To be assigned

Sheet

Examiner

Attorney Docket Number

| NON PATENT LITERATURE DOCUMENTS |             |   |                |  |  |  |
|---------------------------------|-------------|---|----------------|--|--|--|
| Examiner<br>Initials*           | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |  |  |  |
| Smm                             |             | Translation of International Preliminary Report dated January 7, 2005.  |                |  |  |  |
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